

Two levels of application of ACES

- does the concept work, and how well
- what is the system wide impact of that concept

ACES  
Framework

Concept  
Description

Concept  
Elements  
Decomposition

Determine  
Which ACES  
Agents Must  
Be Changed

Develop  
Scope/Schedule  
Priorities of  
ACES Changes

ACES/Concept  
Simulation Plan

- What does concept “do” – core ideas (detailed)
- Who does concept impact – parametric – what does it do
- What are expected “results” of concept - parametric
- What range of scenarios make sense  
(Traffic, weather, facilities, failures, etc)
- How far are concept elements developed, or known -  
(how does it do it, roles, procedures, interfaces, algorithms, event sequences, etc)

Concept should articulate

- What problems will it address (be specific)
- What strategies are used today (enumerate entire range, be specific)
- Who implements these strategies
- What’s the performance of those strategies
- Can the performance be improved upon (use a panel of experts)
- What are requirements for algorithms to implement these strategies

- Interfaces between  
ACES/Concepts
- Algorithm Development  
Approach
- Scenarios, traffic needed
- Experimental design

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